

# ALPHA VENT

## COMPANY PROFILE



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# About Us.

*Exclusively designed, engineered, and manufactured in the UAE.*

As a revolutionary air-conditioning solutions provider based in the UAE, we specialise in products that are exclusively designed, engineered, and manufactured locally.

Our comprehensive range of offerings caters to diverse customer needs, ensuring optimal indoor comfort.

With a strong focus on energy efficiency and economic sustainability, we are committed to delivering innovative and future-ready solutions





# Mission & Vision.

## MISSION

To be a valued partner and leading HVAC solutions provider by designing and developing products and machinery for site installations that meet international quality standards.

## VISION

To become a prominent, successful, sustainable, and visionary company in the HVAC sector, enabling clients to thrive in kitchen ventilation, malls, shops, and industries.

## GOAL

To achieve consistent sales growth through our dedicated team, empowering us to meet client expectations promptly and effectively.

# PRODUCTS



## AIR HANDLING UNIT

Air Handling Units (AHUs) play a crucial role in HVAC systems, regulating and distributing air as part of cooling, heating, oxygenation, filtration, and overall air conditioning processes.

The requirements of an air conditioning system vary depending on the application, with specifications often posing significant challenges regarding humidity and air purity.

All our equipment is manufactured using high-quality materials and components, designed to meet the needs of any application, including the most demanding environments such as kitchens, explosive atmospheres, or highly corrosive conditions



## FLOOR MOUNTED AHU

- ✓ Top-quality
- ✓ High-range floor-mounted air handling units.

**Capacity Range:** 500 CFM to 70,000 CFM.



## VERTICAL MOUNTED AHU

- ✓ Designed for compact spaces
- ✓ Space-saving models

**Capacity Range:** 1,000 CFM to 45,000 CFM



## AHU WITH EC FAN

### Key Features:

- ✓ Efficiency with optimal power consumption.
- ✓ Integrated controller for enhanced performance.
- ✓ Compact motor design for space and energy efficiency.
- ✓ Equipped with electronically communicated fans and built-in motors.



## TREATED FRESH AIR UNIT (TFA)

- ✓ Ensures superior indoor air quality in any construction.
- ✓ Designed for fresh airflow and energy recovery.
- ✓ Equipped with a heat energy recovery wheel for total energy enthalpy recovery.



## ECOLOGY UNITS

Ecology units effectively filter harmful particles from kitchen exhausts, transforming greasy air into clean, fresh air.

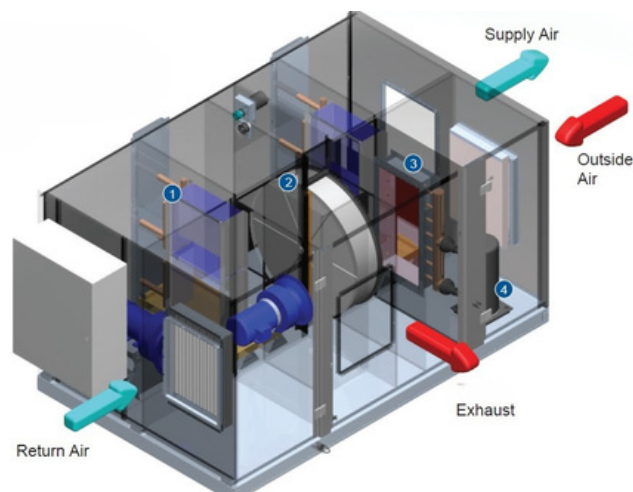


## VENTILATION & EXHAUST UNIT

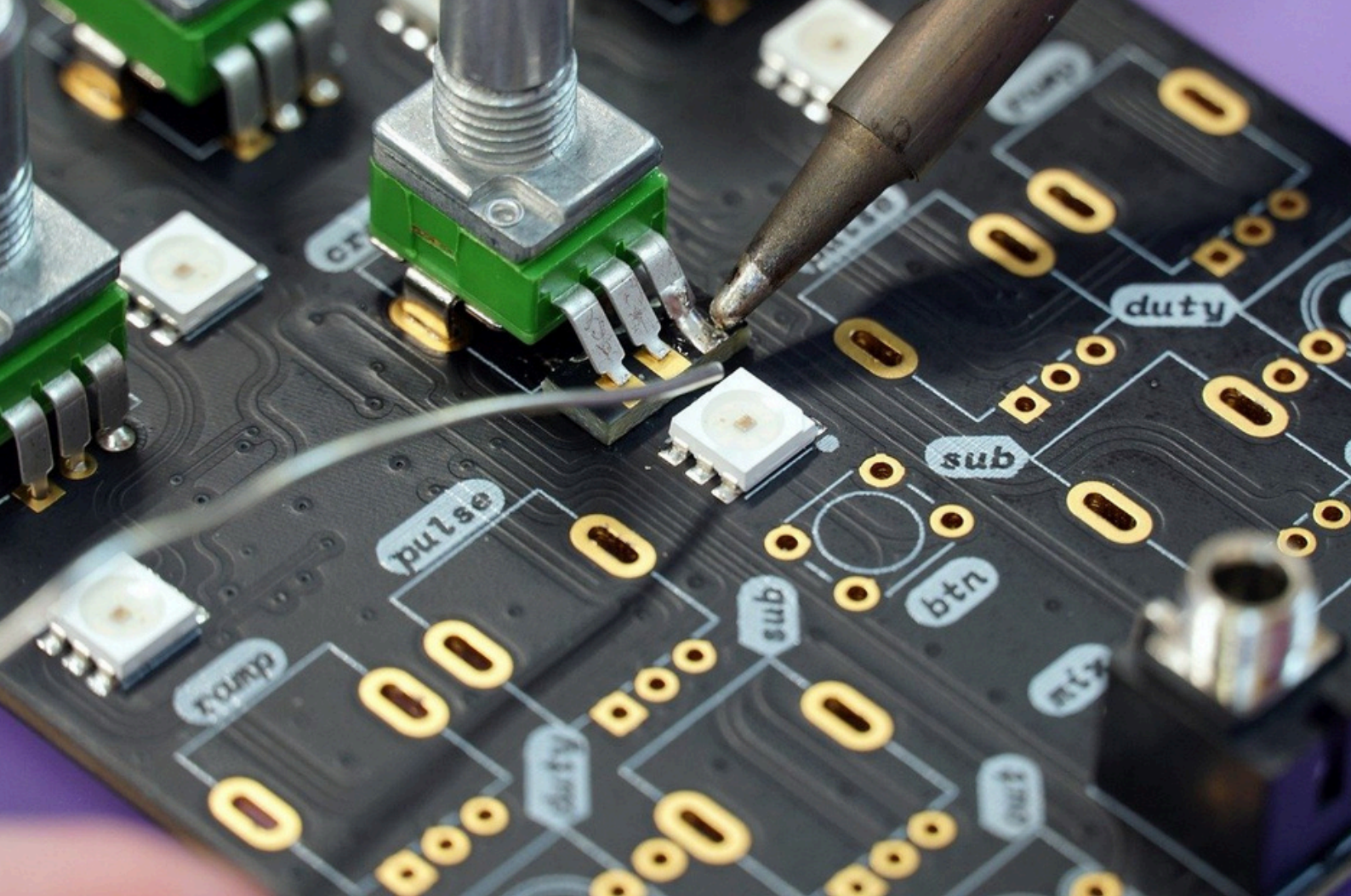
We offer both exhaust and fresh air ventilation units, primarily used in kitchen ventilation systems. These units come with a variety of filters tailored to meet the specific needs of our clients.

# Performance Data

Alpha Vent MODEL	Model Height	Model Width	Exterior air tunnel cross-sectional areas, ft2	Min Air Flow (CMH)	Max Air Flow (CMH)
AV-0230	720	1045	8.09	300	2,300
AV-0340	810	1125	9.8	2,300	3,300
AV-0420	925	1260	12.5	3,300	4,400
AV-0640	1045	1455	16.36	4,400	6,500
AV-0830	1155	1563	19.4	6,500	8,500
AV-1120	1215	1765	23.08	8,500	11,500
AV-1370	1395	1962	29.4	11,500	14,000
AV-1670	1535	2193	36.23	14,000	17,000
AV-2000	1645	2312	40.93	17,000	23,000
AV-2550	1790	2535	48.84	23,000	28,000
AV-3250	1828	2755	54.2	28,000	35,000
AV-4980	2183	2995	70.37	35,000	48,000
AV-5900	2378	3265	83.57	48,000	62,000
AV-7080	2573	3550	98.31	62,000	72,000







# Quality & Services.

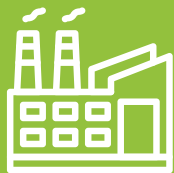
All air handling units depreciate over time. Without proper maintenance, they gradually lose efficiency, consume more power, and impact profits.

As a result, a machine's original efficiency steadily declines each year, and inefficiencies escalate when monitoring and maintenance are neglected, leading to significant inconvenience.



# Why Alpha Vent?

We offer a comprehensive range of services to maintain all air handling units. With our expertise and experience, we optimise the system to ensure maximum energy efficiency, optimal air distribution, and superior indoor air quality.



**STATE-OF-THE-ART  
INFRASTRUCTURE**



**STRINGENT  
QUALITY CONTROL**



**MADE IN U.A.E**



**COMMITTED**

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